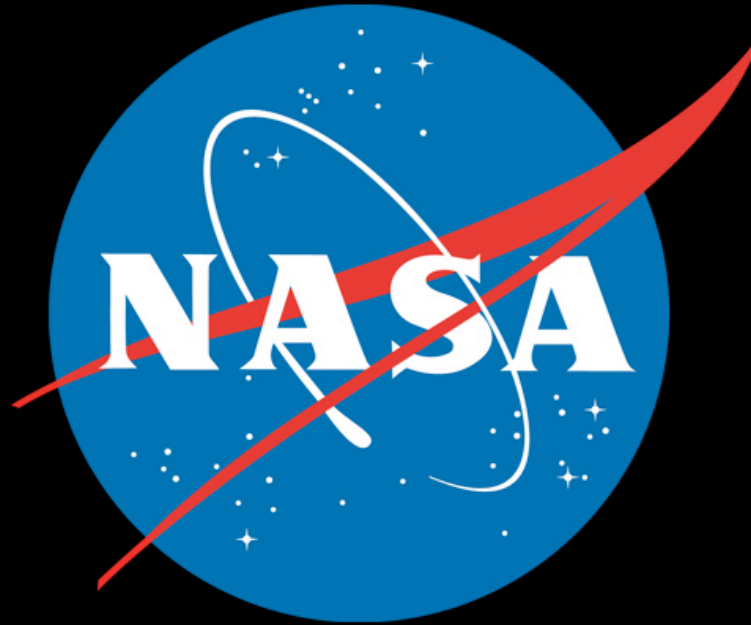


**Powering the Future**



**Doug Comstock**

**Director, Innovative Partnerships Program**

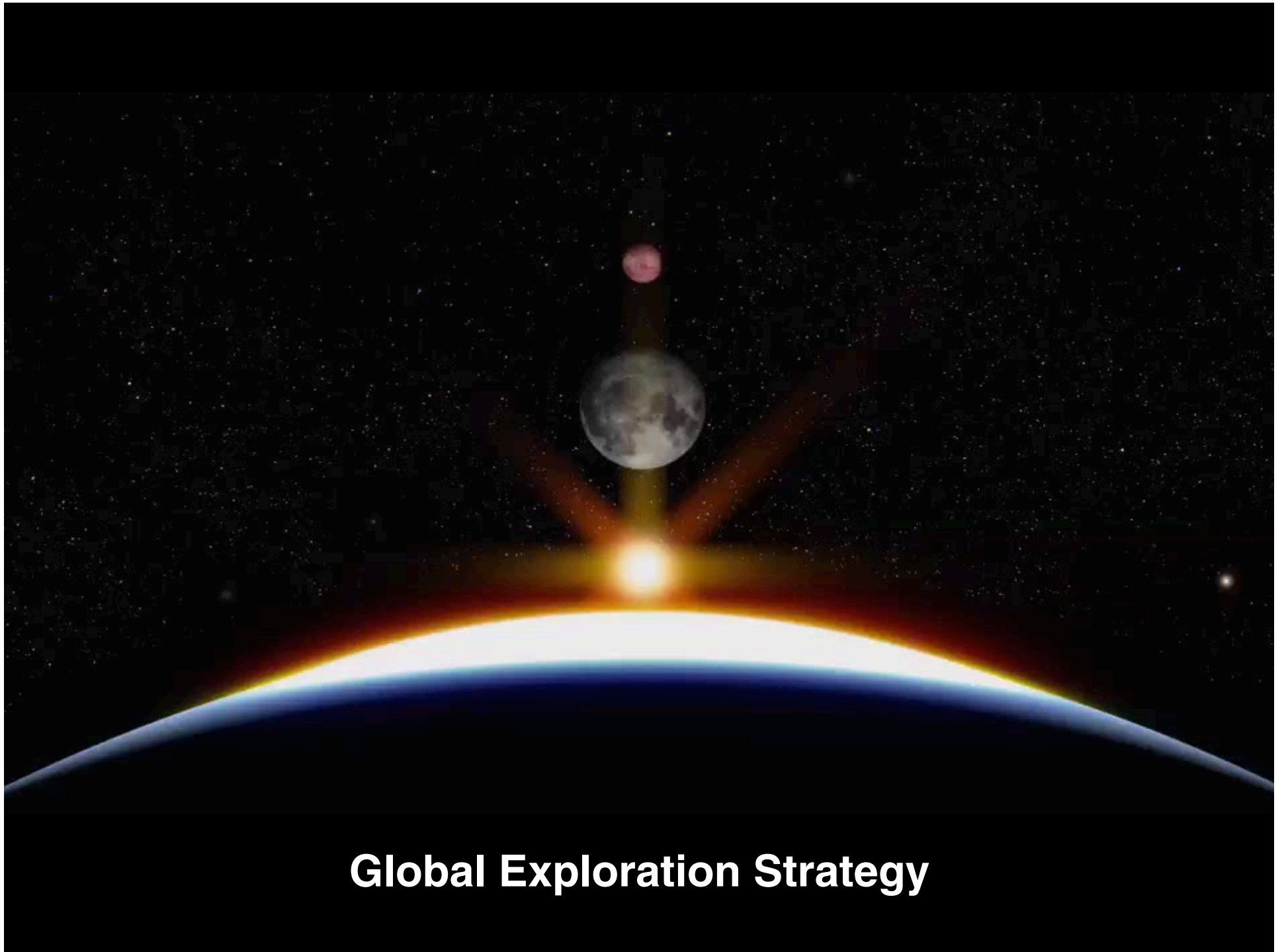
**Florida Economic and Job Summit**

**July 27, 2007 St. Petersburg, Florida**

## **NASA's Strategic Goals**

---

- **Fly the space shuttle as safely as possible until its retirement, not later than 2010.**
- **Complete the International Space Station in a manner consistent with our international partner commitments and the needs of human exploration.**
- **Develop a balanced overall program of science, exploration, and aeronautics consistent with the redirection of the human spaceflight program to focus on exploration.**
- **Bring a new Crew Exploration Vehicle into service as soon as possible after shuttle retirement.**
- **Encourage the pursuit of appropriate partnerships with the emerging commercial space sector.**
- **Establish a lunar return program having the maximum possible utility for later missions to Mars and other destinations.**



## **Global Exploration Strategy**

# NASA Explores For Answers That Power Our Future

---

## **Inspiration**

- ▶ NASA powers inspiration that encourages future generations to explore, learn, and build a better future.

## **Innovation**

- ▶ NASA powers innovation that creates new jobs, new markets, and new technologies.

## **Discovery**

- ▶ NASA powers discovery that enables us to learn more about ourselves, our world, and how to manage and protect it.

**Inspiration + Innovation + Discovery = Future**





# Innovative Partnerships Program

---



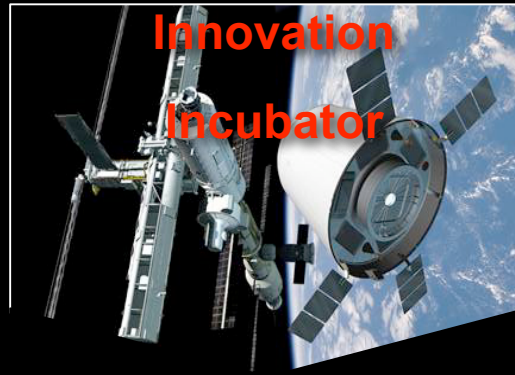
Providing leveraged technology investments, dual-use technology-related partnerships, and technology solutions for NASA.

# Innovative Partnerships Program Elements

---



- Small Business Innovation Research (SBIR)
- Small Business Technology Transfer Research (STTR)
- IPP Seed Fund



- Centennial Challenges
- New Business Models
- Innovation Transfusion



- Intellectual Property Management
- Technology Transfer
- New Innovative Partnerships

## **Florida Activity over Last Decade**

---

- **Florida Based Organizations Have Entered Into Well over 500 Partnerships With NASA**
  - **Licenses & Technology Transfer Agreements**
  - **Software Usage Agreements**
  - **Cooperative Research & Development Agreements**
- **99 Florida Small Businesses Received 155 Innovation Research and Technology Transfer Contracts With Value of nearly \$50 million**
- **33 Successful Technology Transfer Examples Documented in NASA's Annual Spinoff Publication**
- **From NASA-wide funding sources, Florida universities have received more than 350 grants/contracts over the last 10 years worth more than \$140 million**

## **Significant Recent Agreements**

---

- **Space Life Sciences Laboratory**
  - **\$30 million from State of Florida**
  - **Creates unique research environment for Florida colleges and Universities**
- **Orion Crew Exploration Vehicle Final Assembly**
  - **\$35 million from State of Florida**
  - **Creates 400 jobs for final assembly of Orion, NASA's new crew exploration vehicle**
- **NASA continues to work closely with the State of Florida to explore opportunities for future partnerships and job creation**



# Benefits to Humanity

---



Advanced Water Purification Systems  
AJT & Associates, Cape Canaveral, FL



Ingestible Thermometer  
HQ, Inc., Palmetto, Florida



Groundwater Remediation  
Geosyntec, Titusville, Florida  
University of Central Florida



# Upcoming Florida Events

- Excellent ISS viewing for St. Petersburg August 1-3
  - <http://spaceflight.nasa.gov/realdata/sightings/index.html>

- Phoenix launch to Mars on August 3
- STS-118 to launch NET August 7 to the ISS
- Dawn launch to orbit asteroids in September







**National Aeronautics and Space Administration**

[www.nasa.gov](http://www.nasa.gov)  
[www.ipp.nasa.gov](http://www.ipp.nasa.gov)

**Dave Makufka**  
**Chief, Innovative Partnerships Program**  
**Kennedy Space Center**  
[David.R.Makufka@nasa.gov](mailto:David.R.Makufka@nasa.gov)  
**(321) 867-6227**